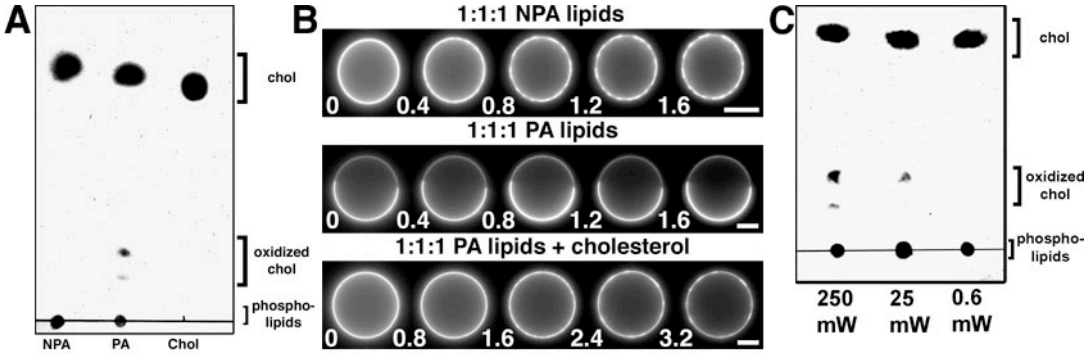

Figure S2: Effect of photoactivation on lipids.

A: Thin layer chromatography (see Materials and Methods) of 1:1:1 lipid mixture, without (NPA) and with (PA) photoactivation, and of cholesterol (Chol) used as a marker.

B: NPA lipids were used to grow vesicles that were homogenous and photoactivable (sequence 1:1:1 NPA lipids). In contrast, GUVs grown from PA lipids were segregated and not photoactivable (sequence 1:1:1 PA lipids). Adding 6% cholesterol to the photoactivated mixture restores homogeneity and photoinduction of phase separation (sequence 1:1:1 PA lipids + cholesterol); Bars, 10 μm.

C: Thin layer chromatography (see Materials and Methods) of 1:1:1 lipid mixture photoactivated at different laser intensities: 250 mW, 25 mW and 0.6 mW. Oxidized cholesterol quantities decrease as a function of laser intensity.

ROUX_EMBOj_figure S2